



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Nan Ya Plastics Corporation USA  
8989 North Loop East, Suite 800  
Houston, TX 77029

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "64P" Fiberglass Outswing Opaque Doors w/ Opaque/Glazed Sidelites – LMI

**APPROVAL DOCUMENT:** Drawing No. NAN0020 Rev E, titled "64P Impact 8' Opaque OS Double Doors w/ sidelites", sheets 1 through 10 of 10, dated 01/09/09 and last revised on 06/28/16, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact.

### Limitations:

1. Opaque or SinP glazed sidelites are limited to max. 15-3/8"W X 97-1/8"H.
2. Full length wood reinforcement item #18, at lock-stiles and hinge Stiles are required.
3. Astragal item #20 must contain full length 5/16" steel shoot bolts.
4. See sheet 9 for rails & stiles sizes. Min door/ sidelite top rails = 5-1/32", min bottom rails = 8-9/32", min door stiles = 3-3/4" and min sidelite stiles = 2-7/16"
5. 1x or 2x buck to be properly secured to sustain imposed load and to be reviewed by building Official.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises & renews** NOA #12-0612.10 consists of this page 1 and evidence page E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

MIAMI-DADE COUNTY  
APPROVED

NOA No. 14-0714.06  
Expiration Date: July 22, 2019  
Approval Date: August 18, 2016  
Page 1

8/10/16

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (submitted under files See below).
2. Drawing No. **NAN0020 Rev E**, titled "64P Impact 8' Opaque OS Double Doors w/ sidelites", sheets 1 through 10 of 10, dated 01/09/09 and last revised on 06/28/16, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E.

**B. TESTS (submitted under files #12-0612.10 /#09-0312.14)**

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94

along with marked-up drawings and installation diagram of Fiberglass Outswing Opaque/Glazed Door w/wo Sidelites, prepared by Certified Testing Laboratories, Test Report No(s). CTLA 1908W, dated 12/30/08, signed and sealed by Ramesh Patel, P.E.

Note: This test report has been revised by an addendum issued by Certified Testing Lab on 05/05/09, signed & sealed by Ramesh Patel, P.E.

**C. CALCULATIONS**

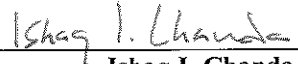
1. Anchor verification calculations and structural analysis, complying with FBC 2014 (5<sup>th</sup> Edition), dated 07/02/14, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E.
2. Sidelite glazing complies w/ ASTM E-1300-02, -04 and -09.

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS (submitted under files #12-0612.10 /#09-0312.14)**

1. Test report No.ETC-05-255-16776.1, prepared by ETC Laboratories, dated 07/06/06, issued to Nan Ya Plastics Corp., for their SMC Fiberglass material / ETC05033 per ASTM D-638-03 "4500 exposed Xenon Arch" & tensile strength ASTM D-638-03 "Tensile strength", Smoke density per ASTM D2843-99, Rate of burning per ASTM D-635-98 and "Self ignition" per ASTM D1929-01, all signed and sealed by Joseph Labora Doldan, P.E.
2. Test report No.ETC-05-255-17144.0, prepared by ETC Laboratories, dated 07/03/08, issued to Nan Ya Plastics Corp., for their Rigid PVC plastic( part #ETC06024) per ASTM D1929-96 "Standard Test Method for Ignition Properties of Plastics", ASTM D2843-99 "Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics", ASTM D635-98 "Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position" and ASTM D638-03 "Standard Test Methods for Tensile Properties of Plastics" for exposed & unexposed sample per Xenon Arch after 4500 Hours, signed and sealed by Joseph Labora Doldan, P.E.

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 14-0714.06  
Expiration Date: July 22, 2019  
Approval Date: August 18, 2016

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS (continue)**


4. Test report No.ETC-06-255-17412.0, prepared by ETC Laboratories, dated 04/25/06, issued to Nan Ya Plastics Corp., for their Phenolic Foam Board / ETC06013 plastic per ASTM-E84-05 "*Standard Test Method for Surface Burning Characteristics of Building Materials*", signed and sealed by Joseph Labora Doldan, P.E.
5. Test report No.ETC-05-255-17412.1, prepared by ETC Laboratories, dated 04/25/06, re-issued on 06/28/06 to Nan Ya Plastics Corp., for their Phenolic Foam Board / ETC06013 plastic per ASTM-E84-05 "*Standard Test Method for Surface Burning Characteristics of Building Materials*", signed and sealed by Joseph L. Doldan, P.E.
6. Test report No.ETC-05-255-17900.0, prepared by ETC Laboratories, dated 06/28/06, issued to Nan Ya Plastics Corp., for their Phenolic Foam Board / ETC06013 plastic per ASTM D1929-96 "*Standard Test Method for Ignition Properties of Plastics*", signed and sealed by Joseph L. Doldan, P.E.
7. Test report No.ETC-05-255-16776.0, prepared by ETC Laboratories, dated 01/04/06, issued to Nan Ya Plastics Corp., for their SMC / ETC05033 plastic per ASTM D1929-96 "*Standard Test Method for Ignition Properties of Plastics*", ASTM D2843-99 "*Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics*", ASTM D635-98 "*Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position*" and ASTM D638-03 "*Standard Test Methods for Tensile Properties of Plastics*", signed and sealed by Joseph Labora Doldan, P.E.
8. Test report No.ETC-05-255-16777.1, prepared by ETC Laboratories, dated 07/26/06, issued to Nan Ya Plastics Corp., for their Cellular PVC / ETC05034 plastic per ASTM D1929-96 "*Standard Test Method for Ignition Properties of Plastics*", ASTM D2843-99 "*Standard Test Method for Density of Smoke from the Burning or Decomposition of Plastics*", ASTM D635-98 "*Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Self-Supporting Plastics in a Horizontal Position*" and ASTM D638-03 "*Standard Test Methods for Tensile Properties of Plastics*", signed and sealed by Joseph Labora Doldan, P.E.
9. Notice of Acceptance No. #14-0423.15 issued to Eastman Chemical Company (MA) former Solutia Inc. for their "**Saflex Clear or colored interlayer**", expiring on 11/11/18.

**F. STATEMENTS (Except item #1, balanced submitted under files #12-0612.10)**

1. Statement letter compliance to FBC 2014 (5<sup>th</sup> Edition)and "No Financial interest", dated July 08, 2014, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E.
2. Statement letter dated 09/04/2012, for standard equivalency of ASTM D635-98/03 conforming to FBC 2010 for above referenced test reports, issued by PTC, LLC, signed and sealed by Robert James Amoruso, P. E.
3. Certificate of Authority dated May 23, 1983, to transact business, issued to Nan Ya Plastic Corporation, USA issued by the State of Texas, signed by Secretary of State
4. Lab compliance letter as part of above test reports.

**G. OTHER**

1. This NOA **revises & renews** NOA # 12-0612.10, expiring on July 22, 2019.
2. Test proposal # 06-1291 dated 11/06/2006 approved by BCCO.

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 14-0714.06  
Expiration Date: July 22, 2019  
Approval Date: August 18, 2016

NAN YA PLASTICS

SERIES "64P" IMPACT 8' OPAQUE OUTSWING DOUBLE DOOR  
WITH OPAQUE/GLAZED SIDELITES

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) AT THE DESIGN PRESSURE(S) STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT # CTLA 1908W (SPECIMEN 1) DATED 12-30-2008 AND ASSOCIATED LABORATORY STAMPED DRAWINGS AND WERE TESTED IN ACCORDANCE WITH TAS 201, TAS 202 AND TAS 203.
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD TO BE REVIEWED BY AHJ (AUTHORITY HAVING JURISDICTION).
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD TO BE REVIEWED BY AHJ (AUTHORITY HAVING JURISDICTION).

4. IN AREAS WHERE WIND-BORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN APPROVED MIAMI DADE IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.
5. MATERIALS
- 5.1 DOOR FRAME AND PANEL MATERIAL: ( FOAM PVC) FIBERGLASS PANEL FACE SHEET
- 5.2 LAMINATED GLAZING INTERLAYER: 0.090" PVB SAFLEX INTERLAYER BY EASTMAN CHEMICAL COMPANY (MA) PER NOA NO. 14-0423.17 (OR LATER COMPONENT APPROVAL).
6. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04e1.
7. DESIGNATIONS "X" AND "O" STANDS FOR THE FOLLOWING:  
X: OPERABLE PANEL  
O: FIXED PANEL
8. A 1/3 INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR (Cd = 1.6) HAS BEEN USED FOR WOOD ANCHOR DESIGN PER 2012 NDS. (E)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION. ANCHORS ARE TO MATCH TYPE, SIZE, AND EMBEDMENT OF THOSE SHOWN HEREIN FOR RESPECTIVE SUBSTRATE
3. IN ADDITION TO THE INSTALLATION ANCHORS SHOWN, EIGHT (8) #10 X 2" WOOD SCREWS ARE REQUIRED IN EACH HINGE.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIMS. MAXIMUM ALLOWABLE SHIM SIZE IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR INSTALLATION INTO WOOD FRAMING, USE #12 WOOD SCREWS (GRADE 5 MIN. STRENGTH) OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 7/8 INCHES. MINIMUM ANCHOR SEPARATION IS 7/8 INCH.
6. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE, MASONRY (JAMBS ONLY), OR DIRECTLY INTO CONCRETE OR MASONRY (JAMBS ONLY), USE THE FOLLOWING:
- 6.1. HEAD AND SILL: 1/4 INCH ITW ADVANCED THREADFORM TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO CONCRETE. MINIMUM EDGE DISTANCE IS 1 1/2 INCHES IN CONCRETE. MINIMUM ANCHOR SEPARATION IS 4 INCHES.
- 6.2. JAMBS: 3/16 INCH ITW ADVANCED THREADFORM TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO CONCRETE AND 1 INCH MINIMUM EMBEDMENT INTO MASONRY. MINIMUM EDGE DISTANCE IS 1 1/2 INCHES IN CONCRETE AND 2 INCHES IN MASONRY. MINIMUM ANCHOR SEPARATION IS 3 INCHES.
- 6.2.1. 1/4 INCH ITW ADVANCED THREADFORM TAPCONS MEETING NOTE 6.1 ABOVE CAN BE USED IN LIEU OF 3/16 INCH ITW ADVANCED THREADFORM TAPCONS FOR JAMB INSTALLATION.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING).
8. FOR CONCRETE BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
9. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
- 9.1. WOOD - P.T. SOUTHERN YELLOW PINE. MINIMUM SPECIFIC GRAVITY OF 0.55.
- 9.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 psi.
- 9.3. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90 MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH OF 1900 psi (DENSITY > 117 PCF).

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0714-06  
Expiration Date July 22, 2019  
By: [Signature]  
Nan Ya Product Control

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES & D.P. CHART
2	ELEVATION & ANCHOR LAYOUT
3	VERTICAL SECTIONS
4	VERTICAL SECTIONS
5	VERTICAL SECTIONS
6	HORIZONTAL SECTIONS & GLAZING DETAIL
7	HORIZONTAL SECTIONS & MULLION PLATE DETAILS
8	CORNER DETAILS
9	COMPONENTS
10	BILL OF MATERIALS

DESIGN PRESSURE RATING (PSF)		IMPACT RATING
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	LARGE MISSILE IMPACT
±50.0	±50.0	

PROJECT NO. 414-0416	
REVISE PER MD COMMENTS	2/23/15 RJA
REVISE TO 5TH EDITION FBC	07/07/14 RJA
UPDATE TO 2010 FBC	04/25/12 TJH
DESCRIPTION	DATE
REV	BY

NAN YA PLASTICS  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

SERIES "64P" IMPACT 8' OPAQUE OS DOUBLE DOOR W/SIDELITES  
GENERAL NOTES, INSTALLATION NOTES & D.P. CHART

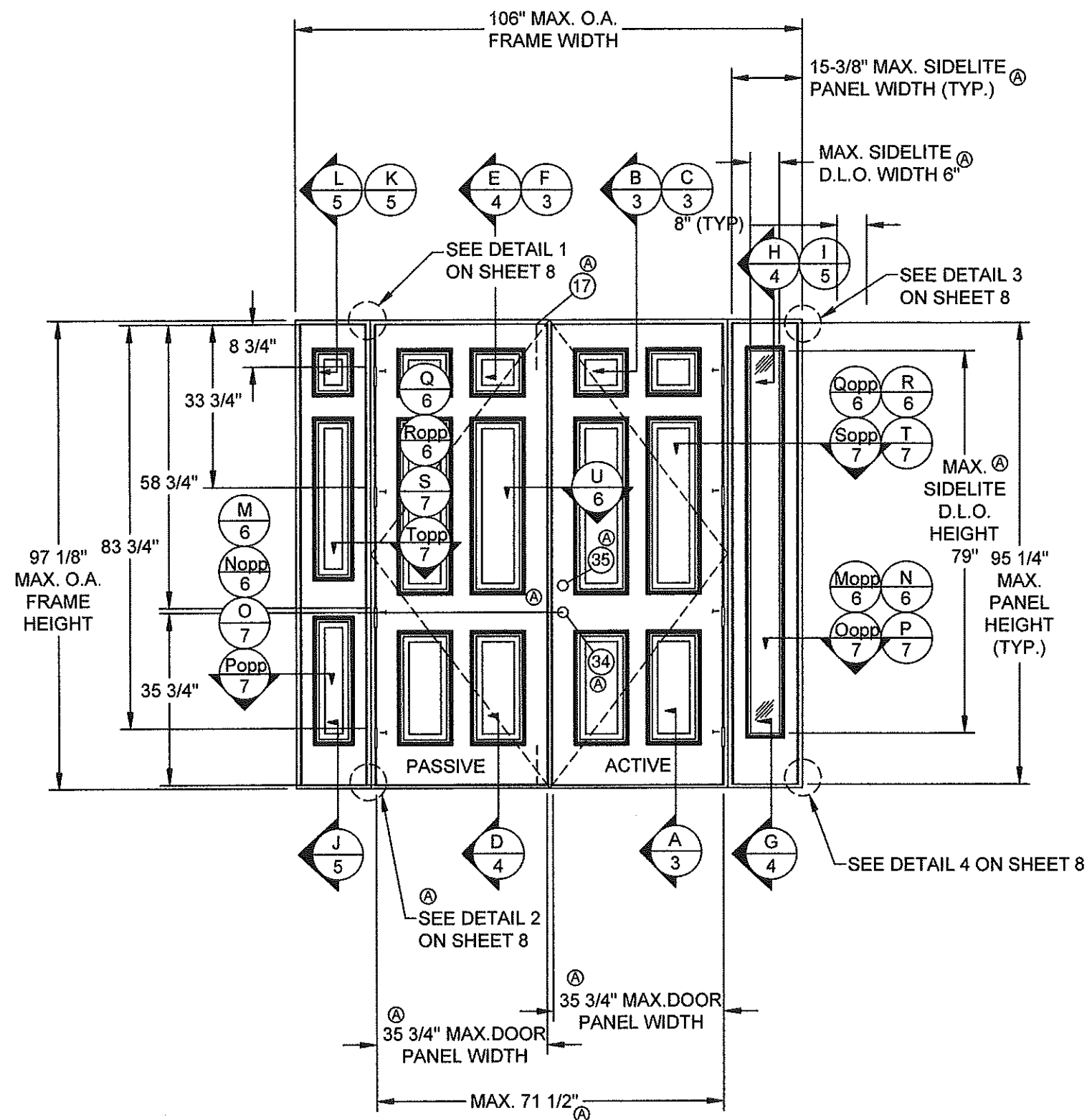
DATE: 1/09/09  
DRAWING NO: NAN0020  
SHEET: 1 OF 10

PREPARED BY: BB  
SCALE: N.T.S.  
REV: E

PTC PRODUCT DESIGN GROUP, LLC  
LONGWOOD, FLORIDA 32752  
Phone: 321.690.1788  
Fax: 321.690.1789  
Email: info@ptc-corp.com  
FPEE C.A. NO. 25935

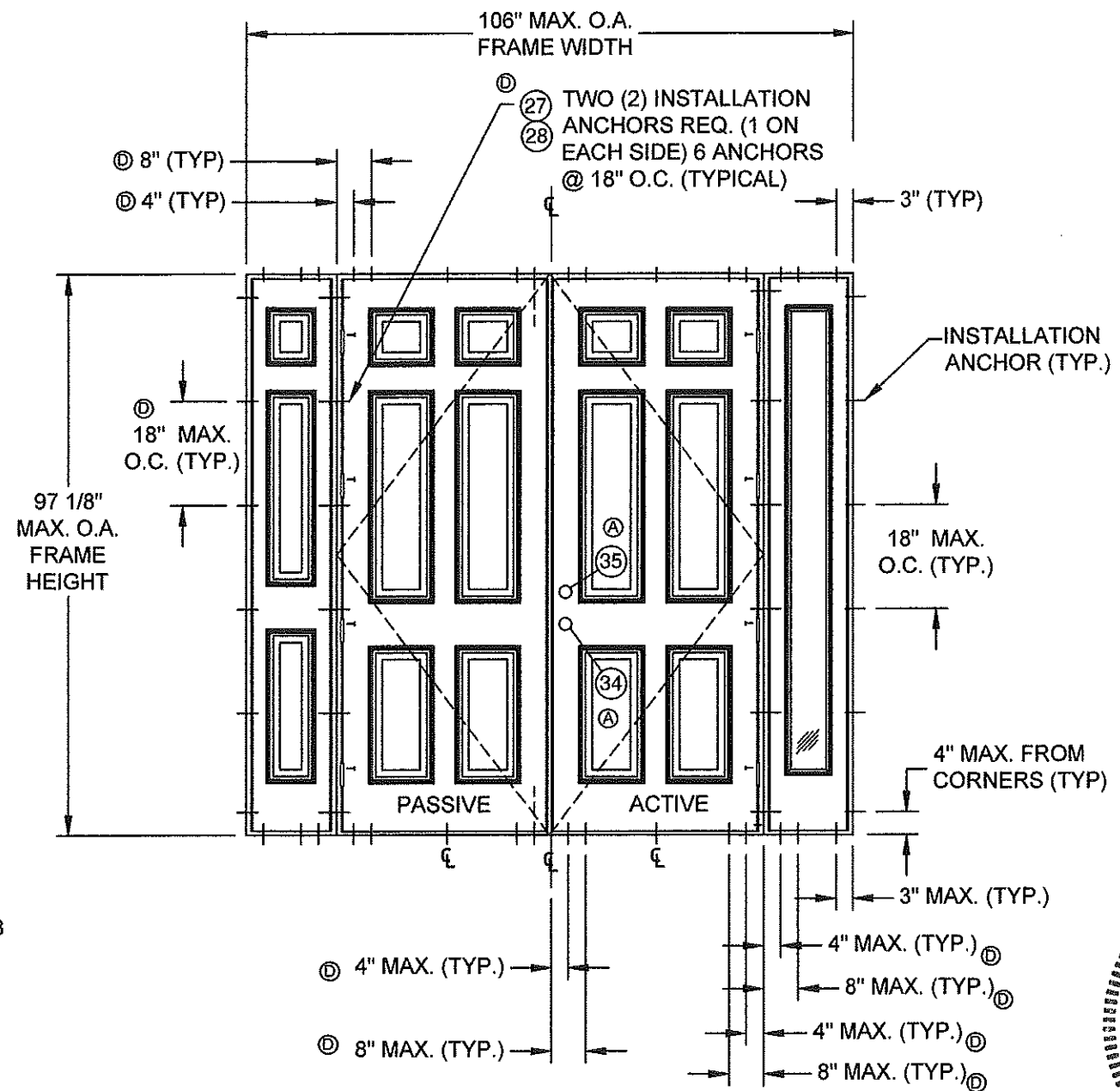
Robert J. Amoruso, P.E.  
FL P.E. No. 49752

ROBERT JAMES AMORUSO  
LICENSE  
No 49752  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER



## ELEVATION

EXTERIOR VIEW  
(OUTSWING OPAQUE DOOR WITH OPAQUE OR GLAZED SIDELITES)



## ANCHOR LAYOUT

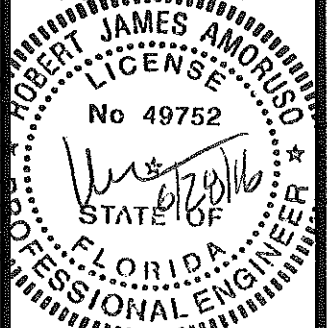
EXTERIOR VIEW  
(OUTSWING OPAQUE DOOR WITH OPAQUE OR GLAZED SIDELITES)

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 14-0714-06  
Expiration Date 7/22/19  
J. Sheng I. Chandra  
Product Control

PROJECT NO. 414-0416	REVISE PER MD COMMENTS	REVISE TO 5TH EDITION FBC	UPDATE TO 2010 FBC	DESCRIPTION	DATE	BY
	E	D	C	REV		
	2/23/15	07/07/14	04/25/12			
	RJA	RJA	TJH			

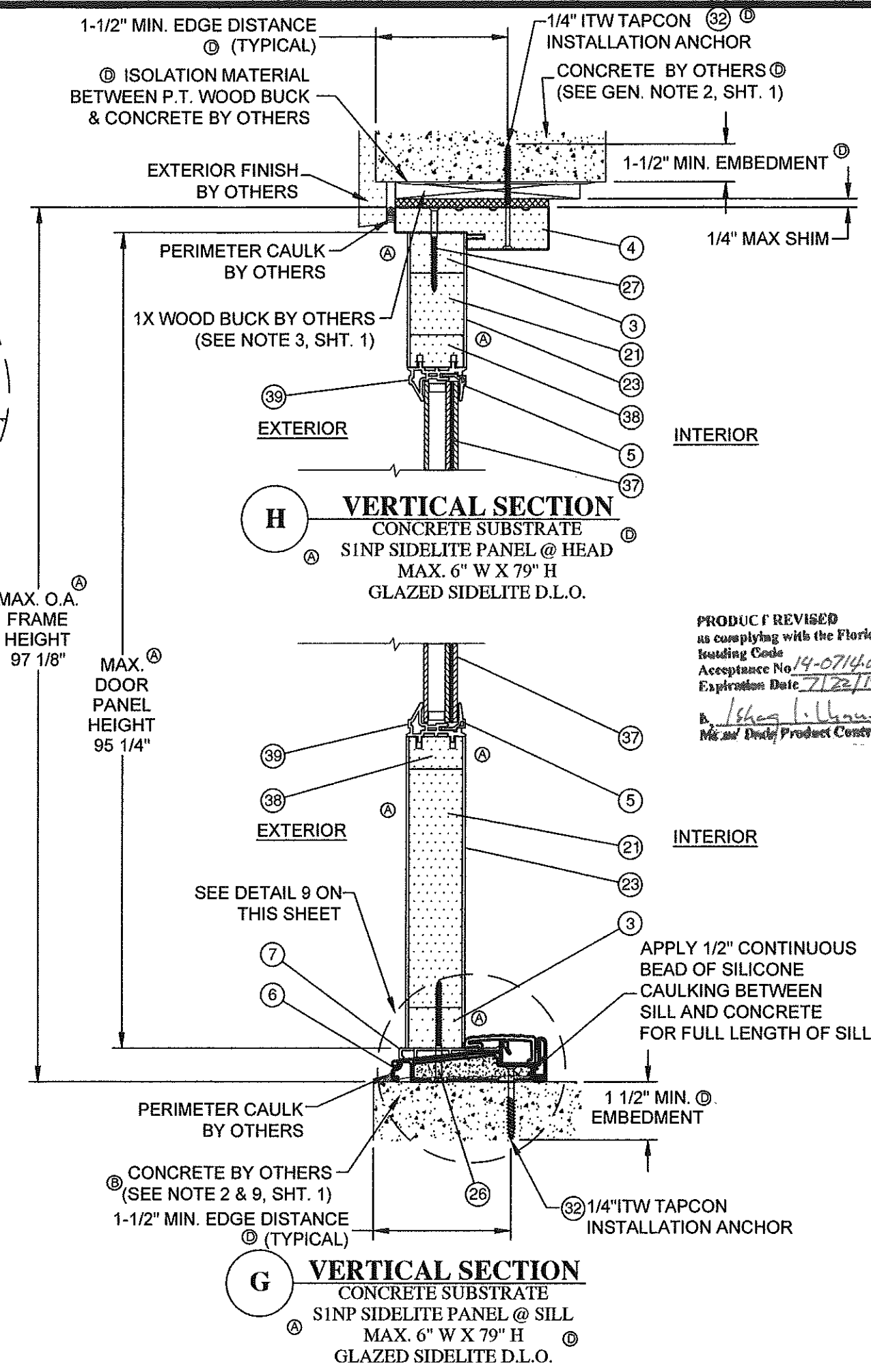
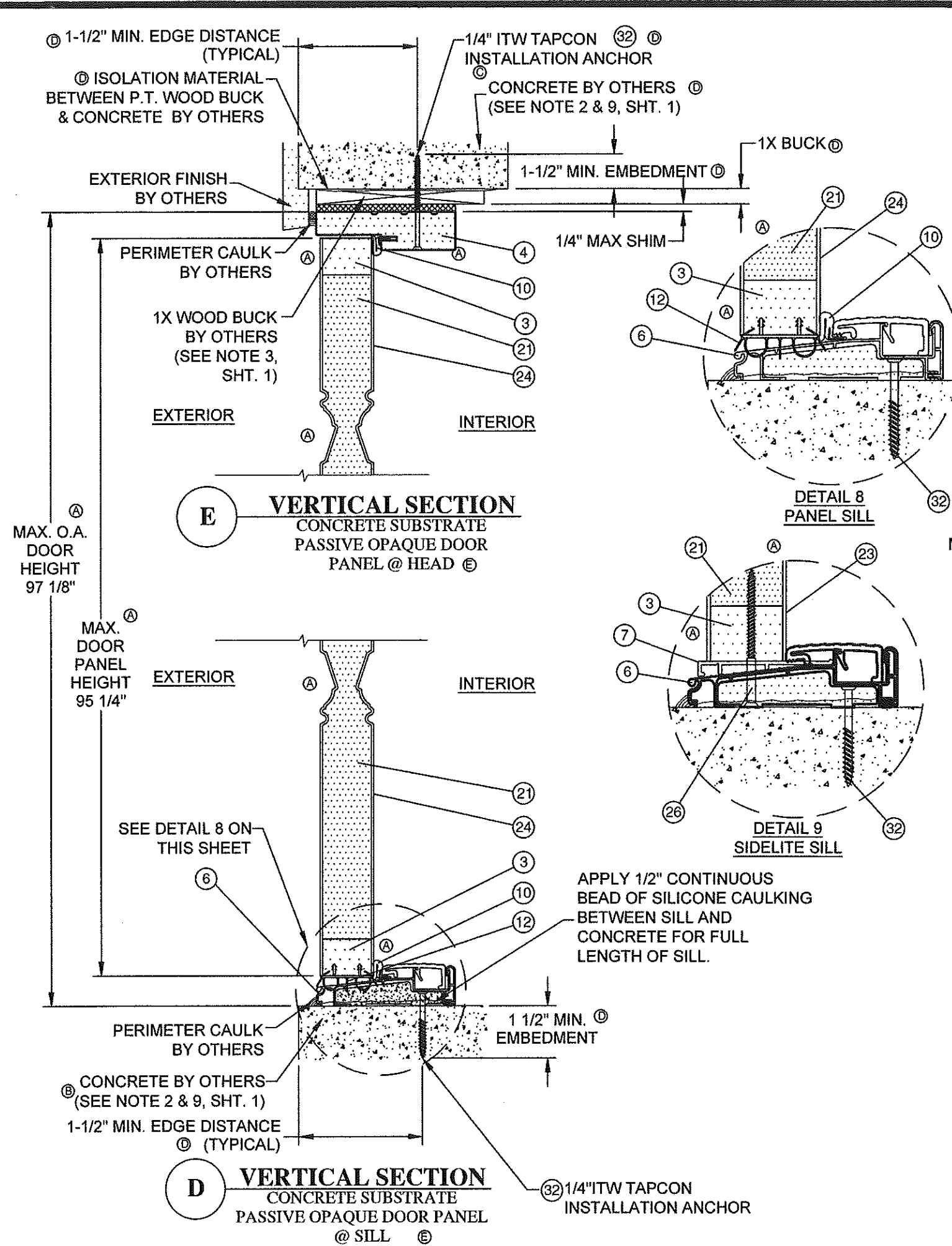
NAN YA PLASTICS 8989 NORTH LOOP EAST HOUSTON, TX 77029	DATE: 1/09/09	DRAWING NO: NAN0020	SHEET: 2 OF 10
SERIES "64" IMPACT 8" OPAQUE OS DOUBLE DOOR W/SIDELITES ELEVATION & ANCHOR LAYOUT	DRAWN BY: BB	SCALE: N.T.S.	REV: E
PREPARED BY:	DATE: 1/09/09	DRAWING NO: NAN0020	SHEET: 2 OF 10
PTC PRODUCT DESIGN GROUP, LLC PO BOX 320778 LONG BEACH, CA 90801-0778 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com	REV: E		

Robert J. Amoroso, P.E.  
FL P.E. No. 49752









PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-071406  
Expiration Date 7/22/19  
By: [Signature]  
McMurry Design Product Control

PROJECT NO. 414-0416

REVISION	DATE	DESCRIPTION
E	2/23/15	RJA
D	07/07/14	RJA
C	04/25/12	TJH

NAN YA PLASTICS  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

SERIES "64P" IMPACT 8' OPAQUE OS DOUBLE DOOR W/SIDELITES  
VERTICAL SECTIONS

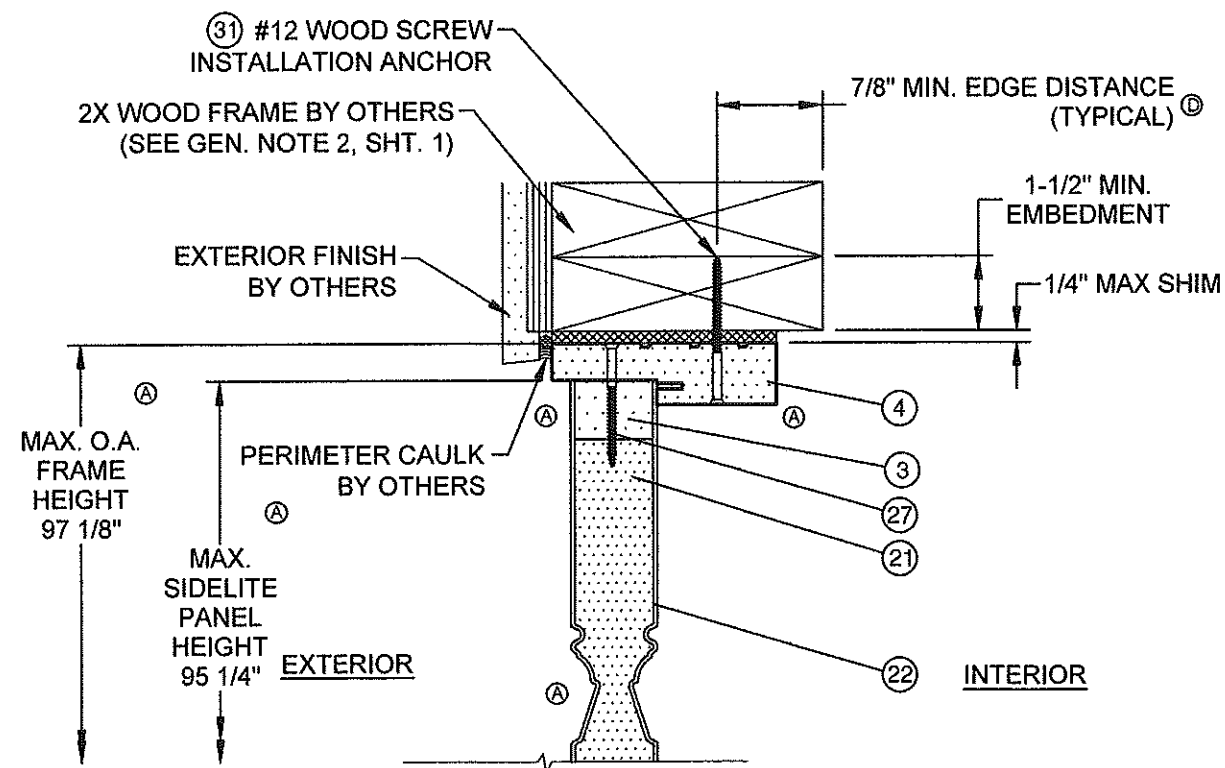
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DRAWING NO.	NAN0020
SCALE	N.T.S.
REV.	E
SHEET	4 OF 10

PREPARED BY: BB  
DRAWN BY: BB  
CHECKED BY: N.T.S.  
DATE: 1/09/09

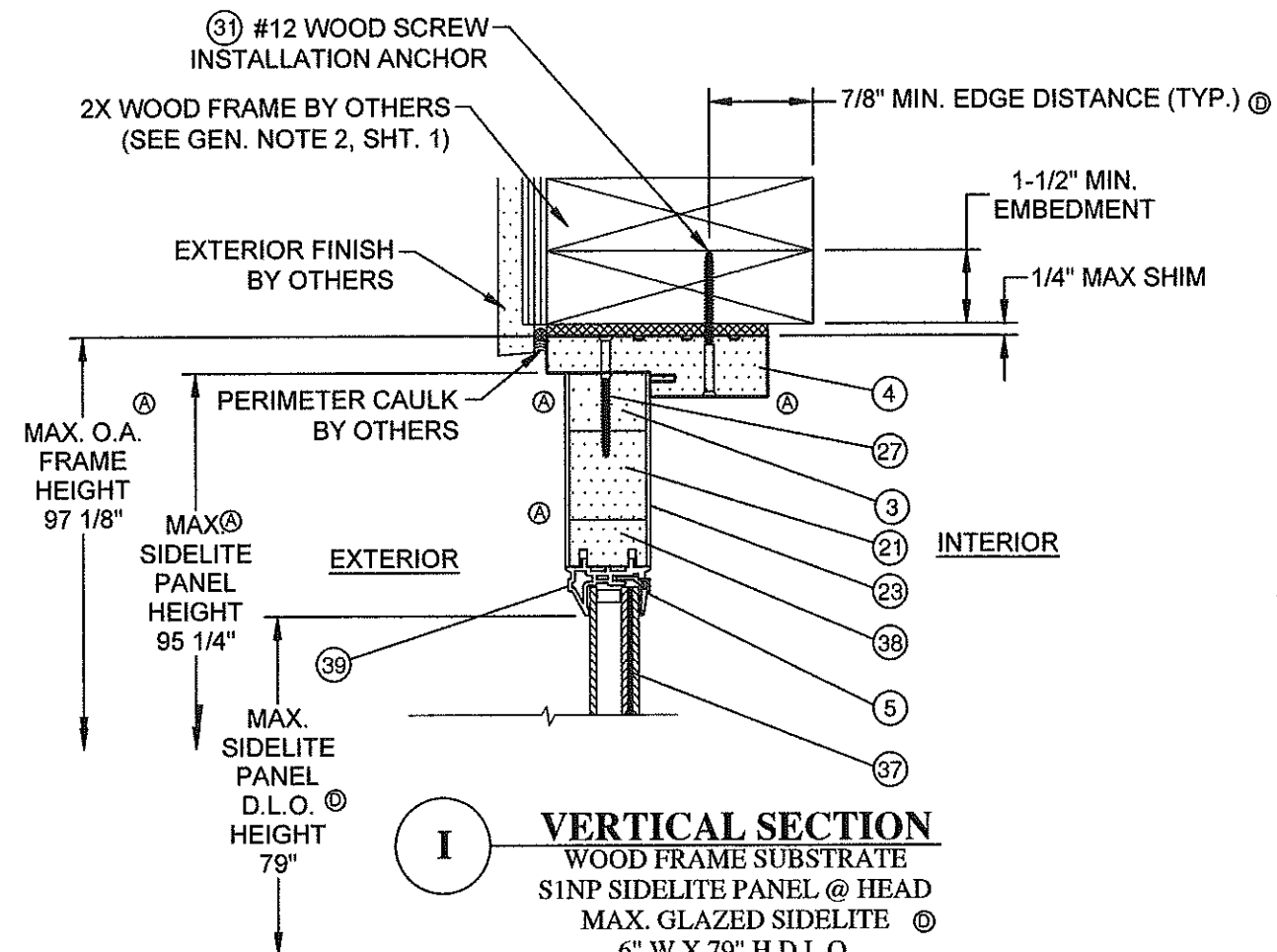
PTC PRODUCT DESIGN GROUP, LLC  
PO BOX 130775  
LONGWOOD, FL 32775  
Phone: 321.690.1786  
Fax: 321.690.1789  
Email: info@ptc-corp.com

Robert J. Amoroso, P.E.  
FL P.E. No. 49752

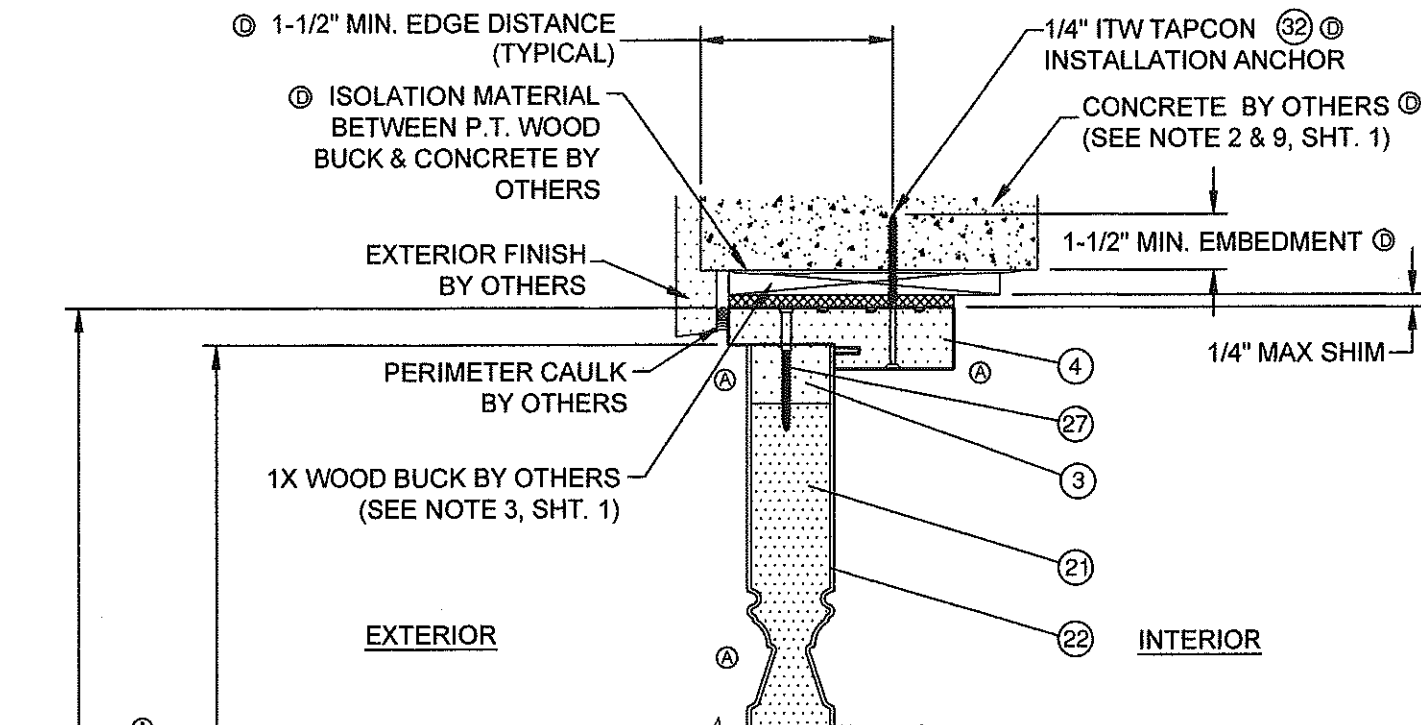
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
No 49752  
[Signature]



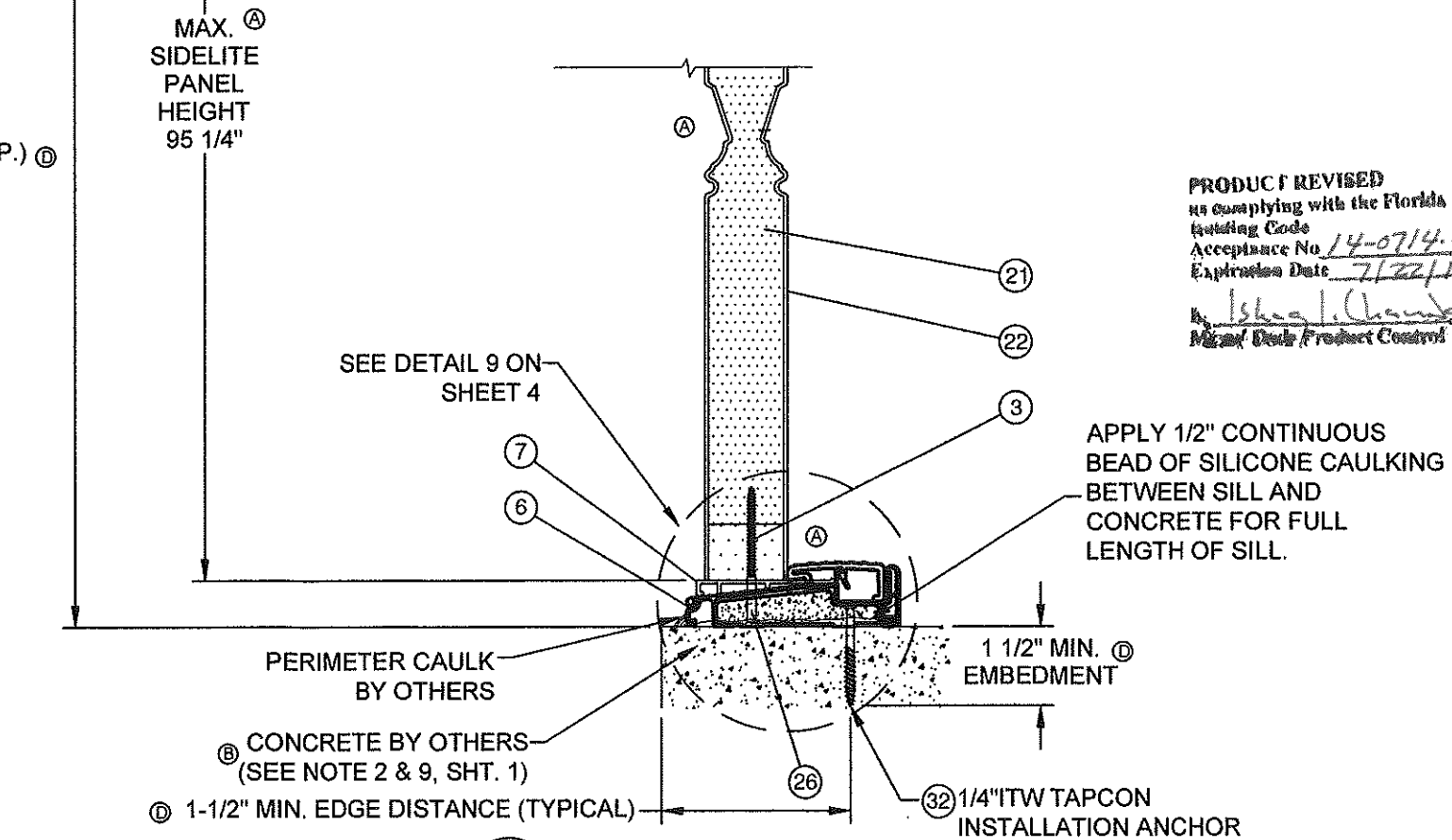
**L** VERTICAL SECTION  
WOOD FRAME SUBSTRATE  
OPAQUE SIDELITE PANEL @ HEAD



**I** VERTICAL SECTION  
WOOD FRAME SUBSTRATE  
S/NP SIDELITE PANEL @ HEAD  
MAX. GLAZED SIDELITE ©  
6" W X 79" H D.L.O.



**K** VERTICAL SECTION  
CONCRETE / MASONRY SUBSTRATE  
OPAQUE SIDELITE PANEL @ HEAD  
MAX. 15 3/8" W X 95 1/4" H



**J** VERTICAL SECTION  
CONCRETE SUBSTRATE  
OPAQUE SIDELITE PANEL @ SILL  
MAX. 15 3/8" W X 95 1/4" H

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 14-0714.04  
Expiration Date 7/22/19  
by *Isaac I. Chank*  
Miami, FL Product Control

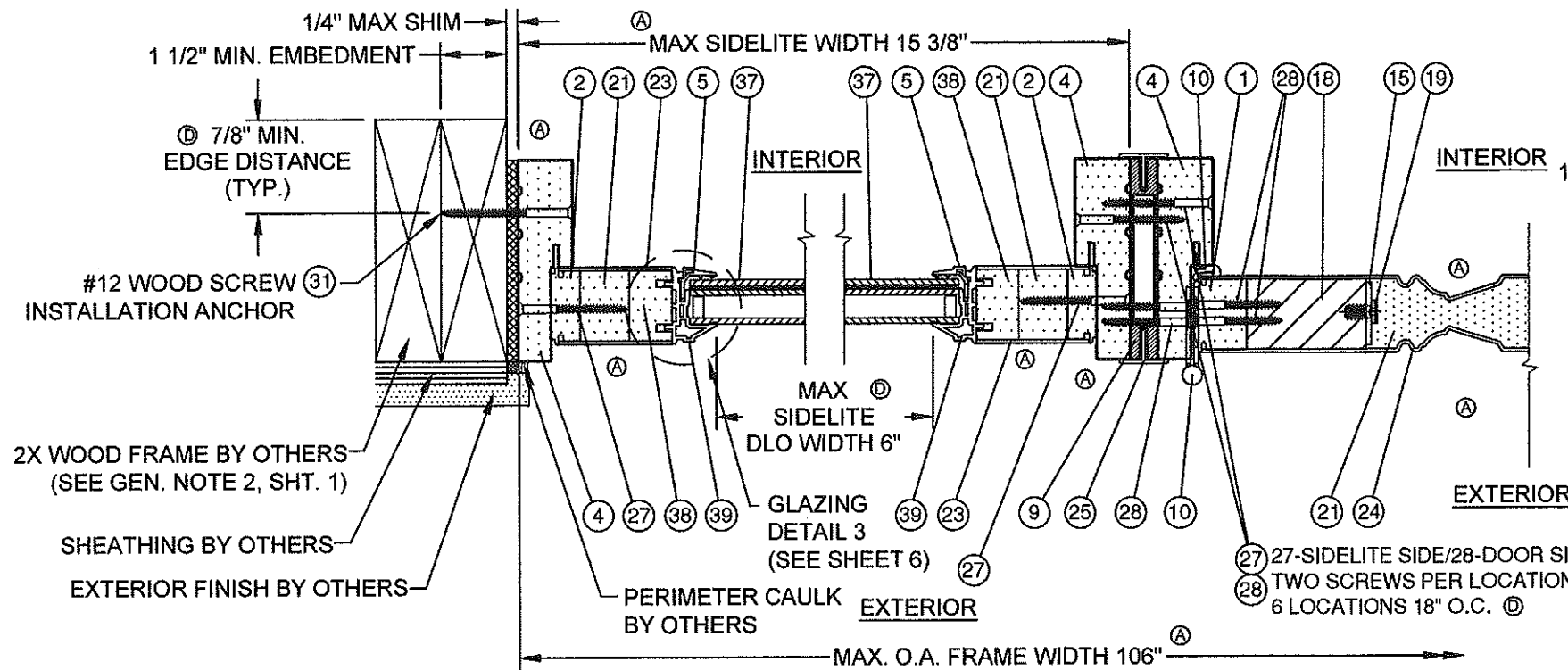
PROJECT NO. 414-0416	REVISION	DATE	BY
REVISION	DATE	BY	
2/23/15	RJA		
07/07/14	RJA		
04/25/12	TJH		
UPDATE TO 2010 FBC			
REVISION	DATE	BY	
REV			

NAN YA PLASTICS	DATE	1/09/09	DRAWING NO.	NAN0020	SHEET	5 OF 10
8989 NORTH LOOP EAST	BB		N.T.S.			
HOUSTON, TX 77029	SCALE					
SERIES "64P" IMPACT 8' OPAQUE OS DOUBLE DOOR W/SIDELITES	REV					
VERTICAL SECTIONS						
PREPARED BY:						
PTC PRODUCT DESIGN GROUP, LLC						
PO BOX 520775						
LONGWOOD, FLORIDA 32752						
Phone: 321.690.1788						
Fax: 321.690.1789						
Email: info@ptc-corp.com						

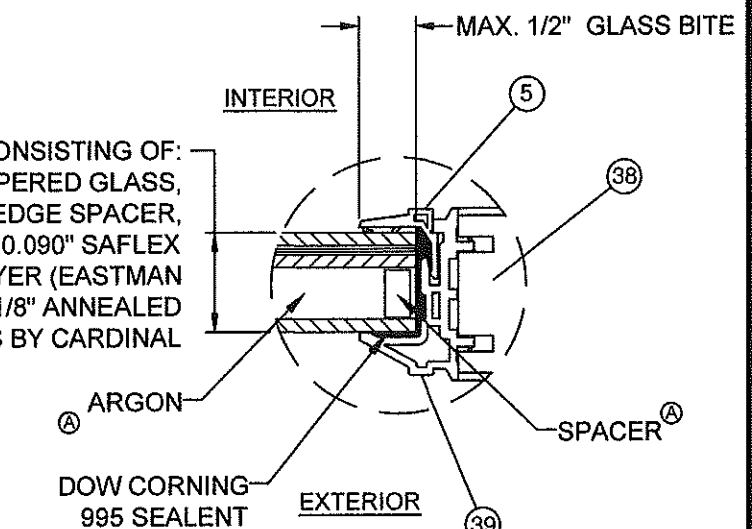
Robert J. Amoroso, P.E.  
FL P.E. No. 49752

STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
No 49752  
6/29/16



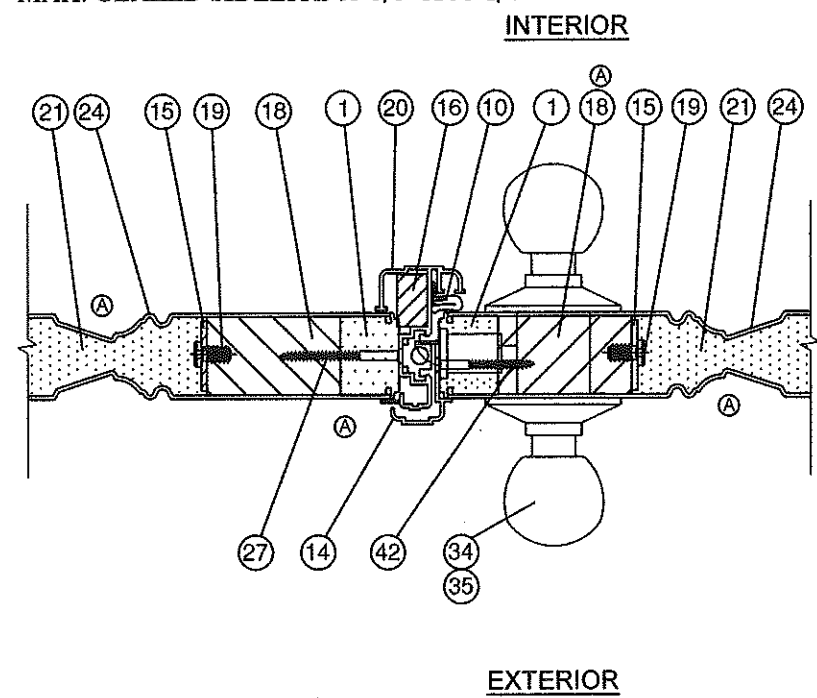


③ 1" O.A. I.G.U. CONSISTING OF:  
1/8" EXTERIOR TEMPERED GLASS,  
0.550" CARDINAL XL EDGE SPACER,  
1/8" ANNEALED GLASS / 0.090" SAFLEX  
PVB INTERLAYER (EASTMAN  
CHEMICAL CO.) / 1/8" ANNEALED  
GLASS BY CARDINAL



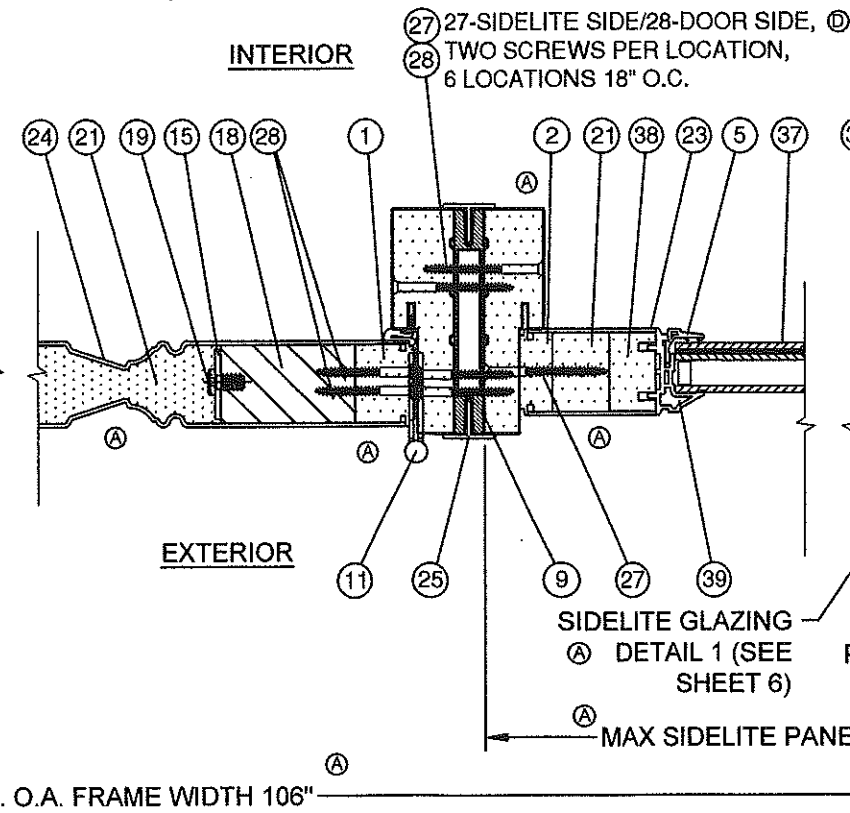
**GLAZING DETAIL 1**  
S1NP GLAZED SIDELITE PANEL  
MAX. D.L.O. 6" W X 79" H  
MAX. GLAZED SIDELITE 15 3/8" X 95 1/4"

**M HORIZONTAL SECTION**  
WOOD FRAME SUBSTRATE  
① S1NP SIDELITE PANEL @ JAMB  
MAX. D.L.O. 6" W X 79" H  
MAX. GLAZED SIDELITE 15 3/8" X 95 1/4"



**U HORIZONTAL SECTION**  
MULLION  
PASSIVE & ACTIVE  
OPAQUE DOOR PANELS

**Q HORIZONTAL SECTION**  
MULLION  
S1NP GLAZED SIDELITE PANEL  
& PASSIVE DOOR



**R HORIZONTAL SECTION**  
MULLION  
ACTIVE OPAQUE DOOR &  
S1NP GLAZED SIDELITE PANEL

① 1 1/2" MIN. EMBEDMENT - CONCRETE  
1" MIN. EMBEDMENT - MASONRY

① 1-1/2" MIN. EDGE DISTANCE - CONCRETE  
2" MIN. EDGE DISTANCE - MASONRY  
(TYPICAL)

INTERIOR

27-SIDELITE SIDE/28-DOOR SIDE,  
TWO SCREWS PER LOCATION,  
6 LOCATIONS 18" O.C.

SIDELITE GLAZING  
@ DETAIL 1 (SEE  
SHEET 6)

PERIMETER CAULK  
BY OTHERS

MAX SIDELITE PANEL WIDTH 15 3/8"

MAX. O.A. FRAME WIDTH 106"

EXTERIOR

33 3/16" ITW TAPCON  
INSTALLATION ANCHOR

ISOLATION MATERIAL  
BETWEEN P.T. WOOD  
BUCK &  
CONCRETE / MASONRY  
BY OTHERS

1X WOOD BUCK BY OTHERS  
(SEE GEN. NOTE 3, SHT. 1)

EXTERIOR FINISH BY OTHERS

**N HORIZONTAL SECTION**  
CONCRETE / MASONRY SUBSTRATE  
S1NP GLAZED SIDELITE PANEL @ JAMB  
MAX. D.L.O. 6" W X 79" H

PROJECT NO. 414-0416

REV	DESCRIPTION	DATE	BY
E	REVISION PER MD COMMENTS	2/23/15	RJA
D	REVISION TO 5TH EDITION FBC	07/07/14	RJA
C	UPDATE TO 2010 FBC	04/25/12	TJH

NAN YA PLASTICS  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

SERIES "64P" IMPACT 8' OPAQUE OS DOUBLE DOOR W/SIDELITES  
HORIZONTAL SECTIONS

DATE: 1/09/09  
DRAWING NO.: NAN0020  
SHEET: 6 OF 10

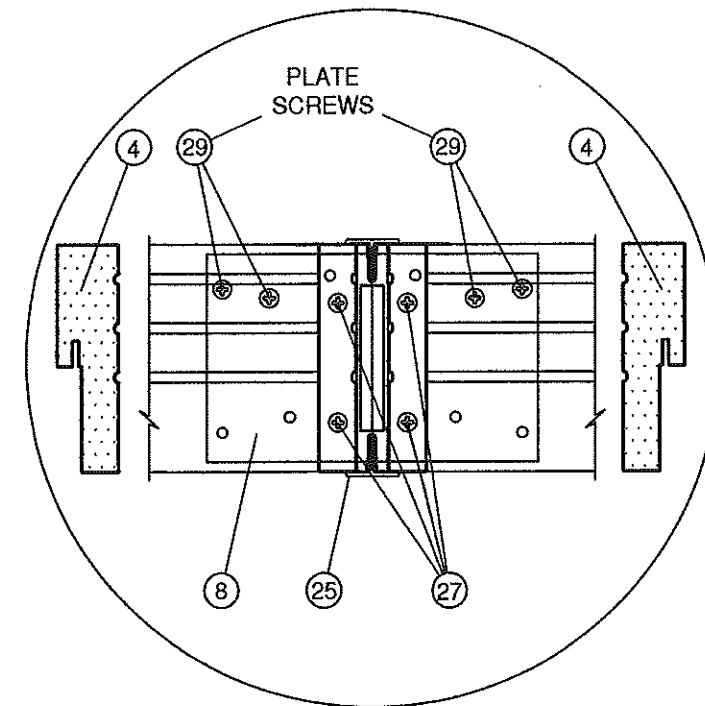
PREPARED BY: BB  
SCALE: N.T.S.  
REV: E

PTC PRODUCT DESIGN GROUP, LLC  
PO BOX 520775  
LONG BEACH, CA 90802  
Phone: 321.690.1788  
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Email: info@ptc-corp.com

Robert J. Amoroso, P.E.  
FL P.E. No. 49752

STATE OF FLORIDA  
PROFESSIONAL ENGINEER

PRODUCT REVISED  
As complying with the Florida  
Building Code  
Acceptance No. 14-0714-06  
Expiration Date 7/22/19

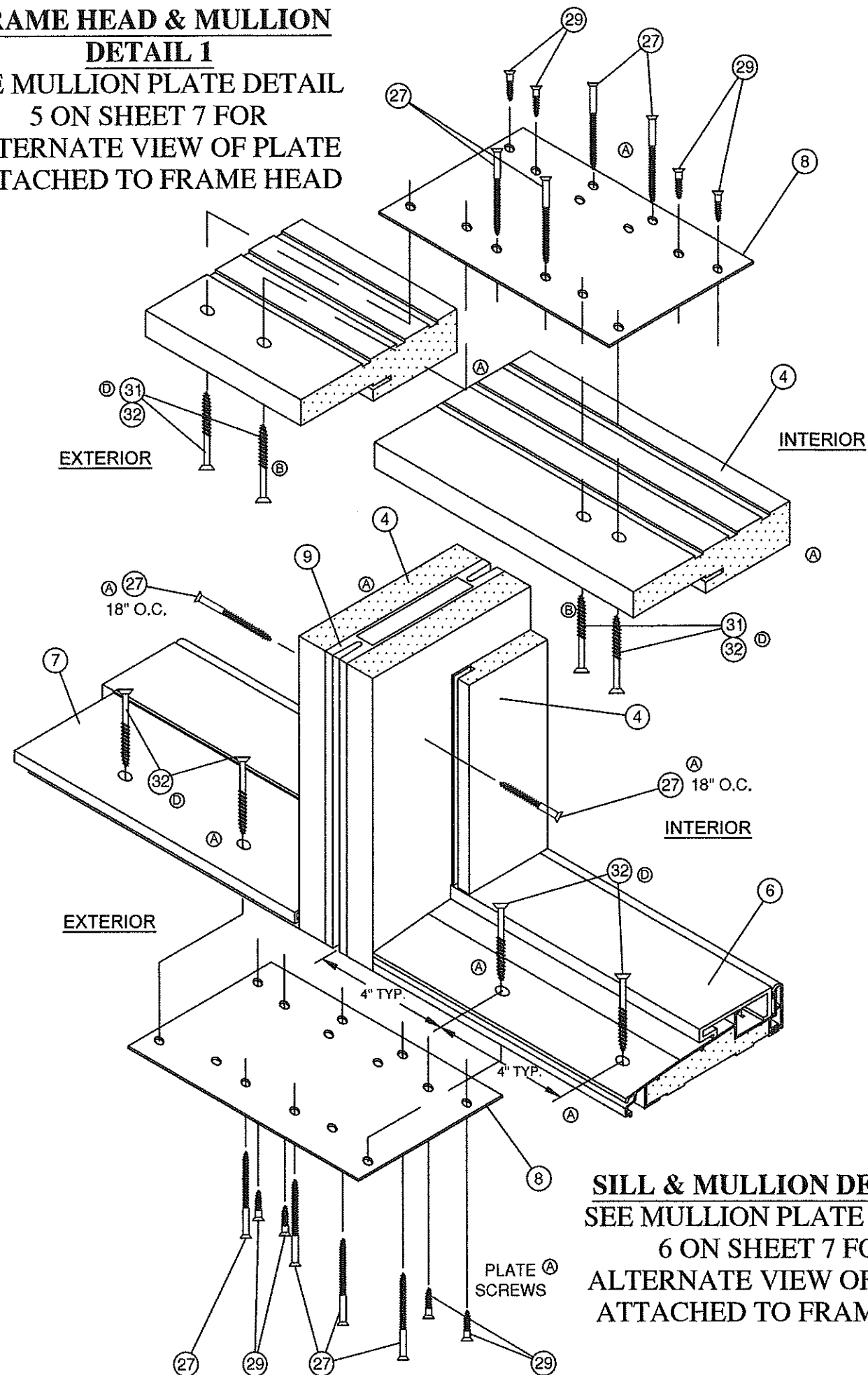


**PRODUCT REVISED**  
 is complying with the Florida  
 Building Code  
 Acceptance No. 14-071486  
 Expiration Date 7/22/19  
 15691.1 (b)  
 Product Control

# FRAME HEAD & MULLION

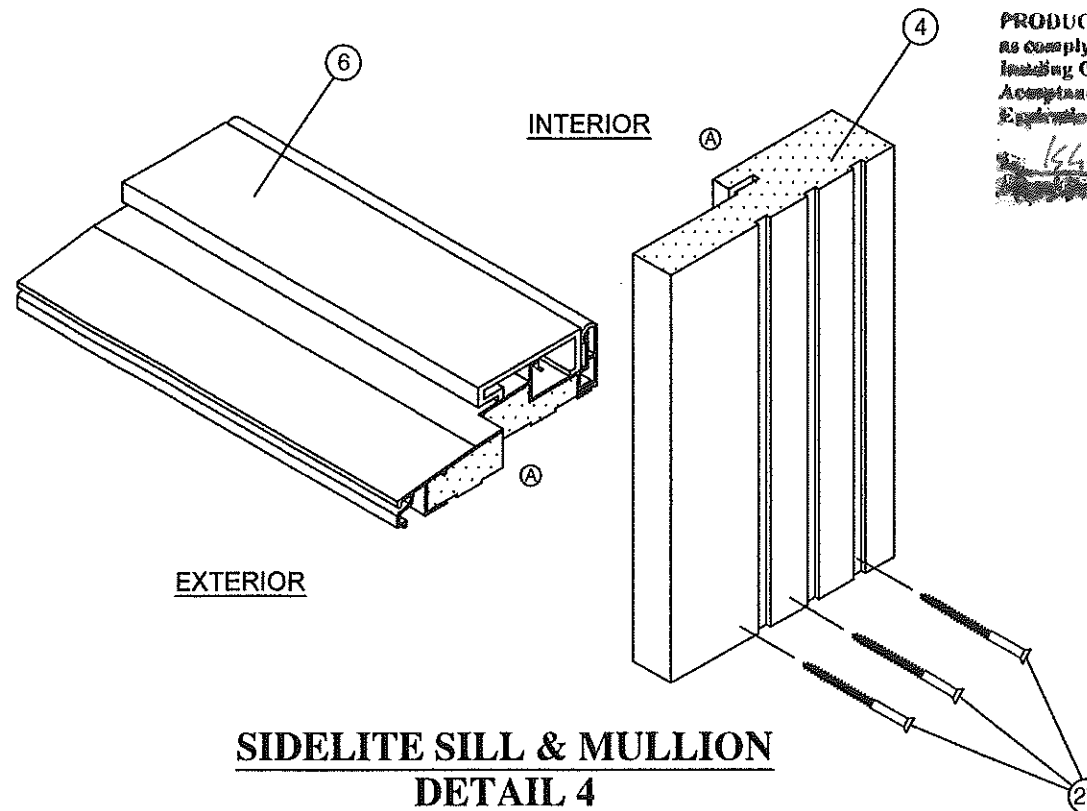
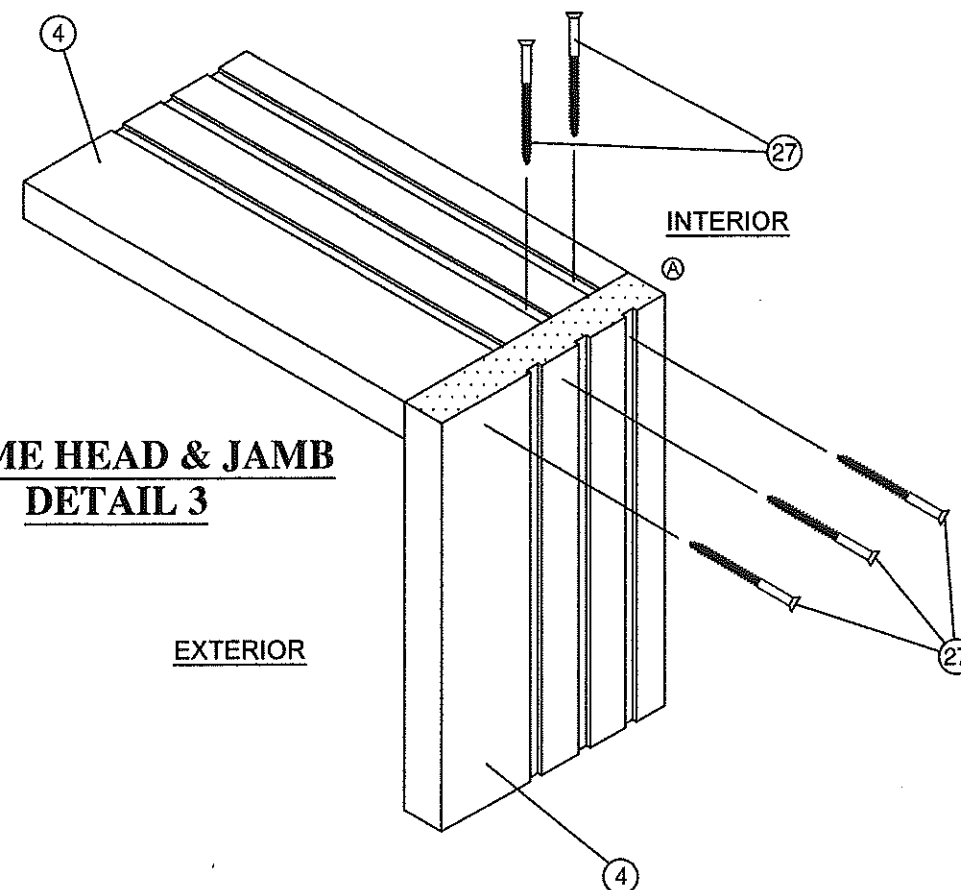
## DETAIL 1

SEE MULLION PLATE DETAIL  
5 ON SHEET 7 FOR  
ALTERNATE VIEW OF PLATE  
ATTACHED TO FRAME HEAD



**SILL & MULLION DETAIL 2**  
SEE MULLION PLATE DETAIL  
6 ON SHEET 7 FOR  
ALTERNATE VIEW OF PLATE  
ATTACHED TO FRAME SILL

## FRAME HEAD & JAMB DETAIL 3



## SIDELITE SILL & MULLION DETAIL 4

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 14-0714-01  
Expiration Date 7/22/19  
By: [Signature]  
Product Control

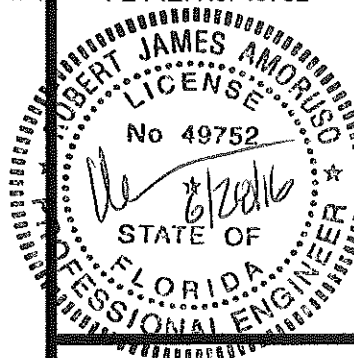
PROJECT NO. 414-0416

NAN YA PLASTICS  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

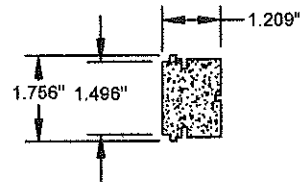
SERIES "64P" IMPACT 8' OPAQUE OS DOUBLE DOOR W/SIDELITES  
CORNER SECTIONS & MULLION SECTIONS

REVISION	DATE	DRAWN BY	SCALE	REV	SHEET
E	2/23/15	BB	N.T.S.	E	8 OF 10
D	07/07/14	BB	N.T.S.	E	8 OF 10
C	04/25/12	BB	N.T.S.	E	8 OF 10
REV	DATE	DESCRIPTION	BY	DATE	DESCRIPTION

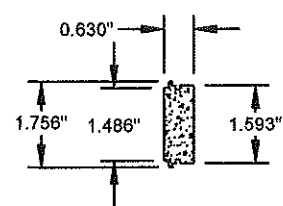
Robert J. Amoroso, P.E.  
FL P.E. No. 49752



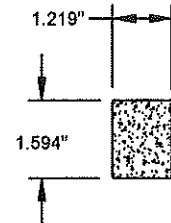
① 1 7/32" STILE  
FOAM PVC



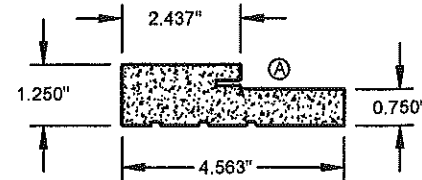
② 5/8" STILE  
FOAM PVC



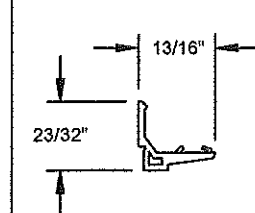
③ TOP / BOTTOM RAIL  
FOAM PVC



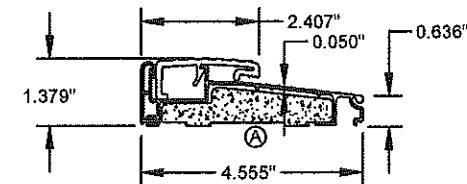
④ 4 9/16" HEAD, JAMB  
PVC COMPONENT



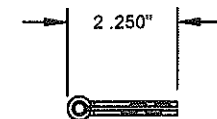
⑤ 1" GLAZING BEAD &  
SINP GLAZING BEAD  
RIGID PVC



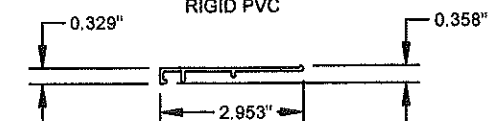
⑥ ENDURA 4 9/16"  
OUTSWING SILL  
ALUMINUM, RIGID PVC  
AND PVC COMPONENT



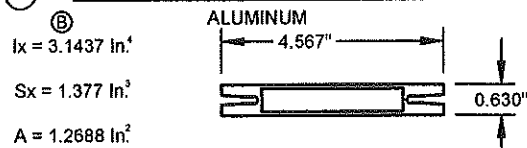
⑪ 4" X 4" HINGE  
STEEL



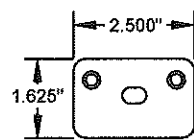
⑦ OUTSWING SIDELITE BASE  
RIGID PVC



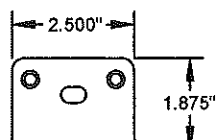
⑨ MULLION REINFORCEMENT



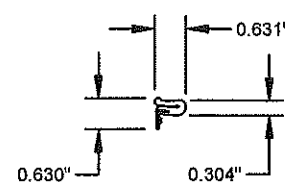
④① SHOOT BOLT  
HEAD PLATE  
STEEL



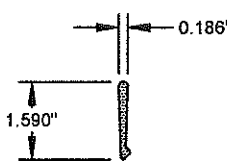
④① SHOOT BOLT  
SILL PLATE  
STEEL



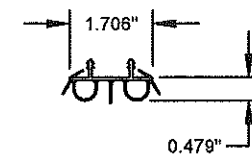
⑩ Q-LON WEATHERSTRIPPER  
FOAM SILICONE, PE FILM



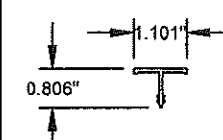
⑬ CORNER PAD  
FOAM SILICONE, PE FILM



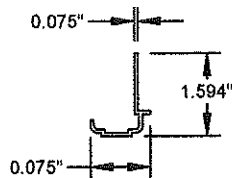
⑫ ENDURA DOOR BOTTOM SWEEP  
RIGID PVC CO-EX



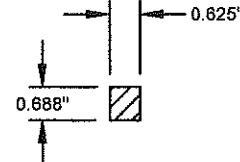
⑫⑤ MULLION  
REINFORCEMENT  
COVER  
RIGID PVC



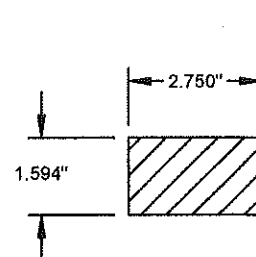
⑭ OUTSWING  
PANEL TRIM  
ALUMINUM



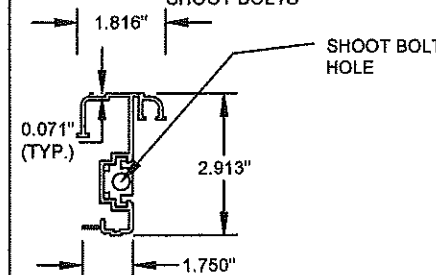
⑫⑥ ASTRAGAL  
REINFORCEMENT  
WHITE PINE



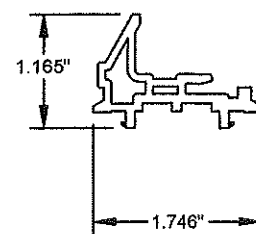
⑫⑧ HINGE / LOCK STILE  
REINFORCING WOOD-D  
WHITE PINE



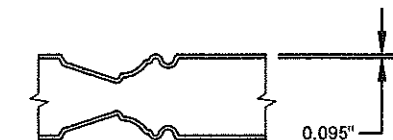
⑫⑩ ENDURA  
OUTSWING ASTRAGAL  
ALUMINUM W/STEEL  
SHOOT BOLTS



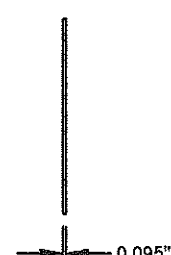
⑫③ SINP SIDE LITE FRAME  
RIGID PVC



⑫② SMC S65P OPAQUE SIDELITE SKIN  
⑫④ SMC 64P OPAQUE DOOR SKIN  
FIBERGLASS SKIN - t = 0.095"

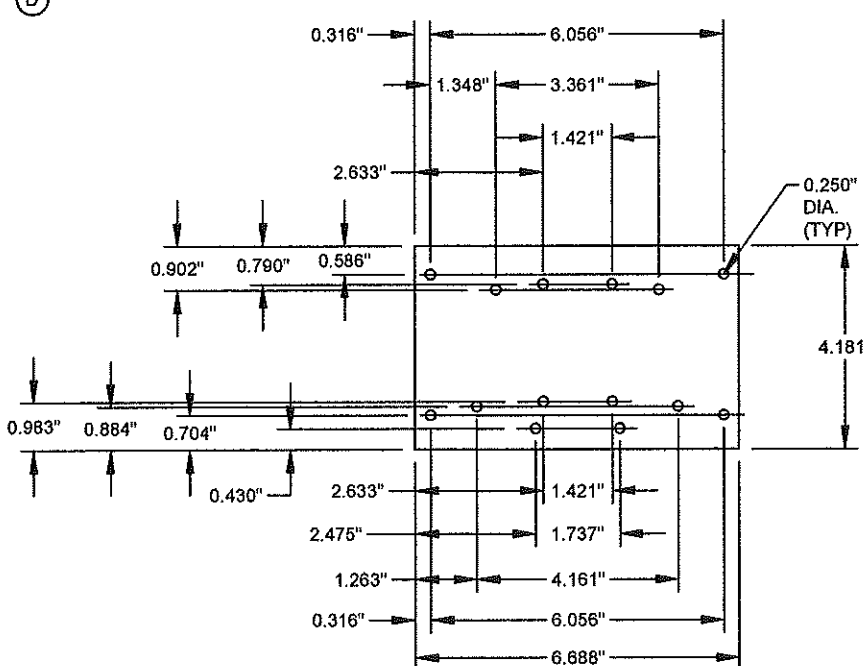


⑫③ SMC SINP GLAZED  
SIDELITE SKIN  
FIBERGLASS SKIN - t = 0.095"

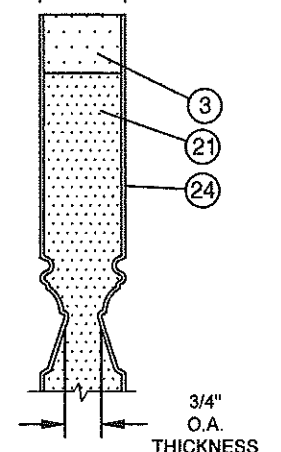


1/16" THICK MULLION CONNECTION PLATE

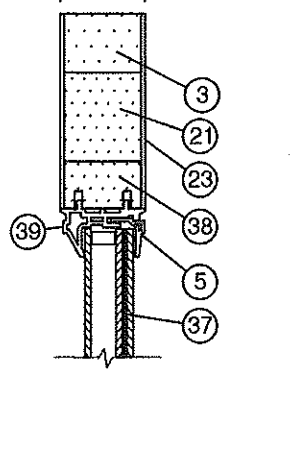
⑫ Cold Rolled Galvanized Steel Plate (SPCC S450)



⑫① OPAQUE  
DOOR  
PANEL



⑫② GLAZED  
SIDELITE  
PANEL



**BILL OF MATERIALS**

ITEM #	PART #	DESCRIPTION	MATERIAL	MANUFACTURER
1		1 7/32" STILE	Ⓐ FOAM CELLULAR PVC Fy MIN. = 6000 PSI	NAN YA
2		5/8" STILE	Ⓐ FOAM CELLULAR PVC Fy MIN. = 6000 PSI	NAN YA
3		1 7/32 TOP / BOTTOM RAIL	Ⓐ FOAM CELLULAR PVC Fy MIN. = 6000 PSI	NAN YA
4		4 9/16" FRAME HEAD / JAMB	Ⓐ FOAM PVC COMPONENT Fy MIN. = 6000 PSI	NAN YA
5		1" GLAZING BEAD	RIGID PVC Fy MIN. = 6000 PSI	NAN YA
6		ENDURA 4 9/16" OUTSWING SILL	ALUMINUM (6063-T6), PVC & PVC COMPONENT	ENDURA
7		OUTSWING SIDELITE BASE	Ⓐ RIGID PVC Fy MIN. = 6000 PSI	ENDURA
8		1/16" THICK MULLION CONNECTION PLATE	Ⓢ STEEL (SPCC S450)	NAN YA
9		MULLION REINFORCEMENT	ALUMINUM (6063-T5)	NAN YA
10		WEATHERSTRIPPER Q-LON	FOAM SILICONE, PE FILM	SCHLEGEL
11		4" X 4" BUTT HINGE	STEEL	MIKOTA Ⓐ
12		ENDURA DOOR BOTTOM SWEEP	RIGID PVC CO-EX	ENDURA
13		CORNER PAD (NOT SHOWN)	FOAM SILICONE, PE FILM	----
14		OUTSWING PANEL TRIM	ALUMINUM (6063-T6)	BHI
15	Ⓢ	1.406" W X 88.4175" L X 0.125" THICK REINFORCEMENT - FULL LENGTH STILES	STEEL JIS Z3302 SZHC	NAN YA
16		5/8" REINFORCEMENT WOOD ( ASTRAGAL)	WHITE PINE	----
17	Ⓐ	SHOOT BOLT 1/4" DIA. (ENDURA ASTRAGAL)	STEEL	ENDURA Ⓐ
18	Ⓢ	2 3/4" REINFORCEMENT WOOD FULL LENGTH (STILES)	WHITE PINE	----
19		9/32" SCREW NYLON66	NYLON66	NAN YA
20		OUTSWING ASTRAGAL	ALUMINUM, STEEL, PVC	ENDURA Ⓐ
21		FOAM PHENOLIC	PHENOLIC FOAM	NAN YA Ⓐ
22	Ⓢ	SMC S65P OPAQUE SIDELITE SKIN	Ⓐ FIBERGLASS SKIN Fy MIN. = 11,000 PSI	NAN YA
23	Ⓢ	SMC S1NP GLAZED SIDELITE SKIN	Ⓐ FIBERGLASS SKIN Fy MIN. = 11,000 PSI	NAN YA
24	Ⓢ	SMC 64P OPAQUE DOOR PANEL SKIN	Ⓐ FIBERGLASS SKIN Fy MIN. = 11,000 PSI	NAN YA
25		MULLION REINFORCEMENT COVER	Ⓐ RIGID PVC Fy MIN. = 6000 PSI	NAN YA
26		#10 X 3" PHILLIPS SQUARE DRIVE SCREWS	STEEL	----
27		#10 X 2 1/2" PHILLIPS FLAT HEAD	STEEL	----
28		#10 X 2" PHILLIPS FLAT HEAD	STEEL	----
29		#10 X 7/8" PHILLIPS FLAT HEAD	STEEL	----
30	Ⓢ	3/16" x 2-1/2" ITW ADVANCED THREADFORM TAPCON C. SCREW	STEEL	----
31		#12 WOOD SCREW INSTALLATION ANCHOR	STEEL	----
32	Ⓢ	1/4" ITW ADVANCED THREADFORM TAPCON CONCRETE SCREW	STEEL	ITW
33	Ⓢ	3/16" ITW ADVANCED THREADFORM TAPCON CONCRETE SCREW	STEEL	ITW
34		KWIKSET LATCHBOLT/ KNOB	STEEL	KWIKSET
35		KWIKSET DEADBOLT	STEEL	KWIKSET
36		KWIKSET STRIKE PLATE	STEEL	KWIKSET
37	Ⓢ	1" O.A. I.G.U CONSISTING OF: 1/8" EXTERIOR TEMPERED GLASS, 0.550" CARDINAL XL EDGE SPACER, 1/8" ANNEALED GLASS/ 0.090" SAFLEX PVB INTERLAYER (EASTMAN CHEMICAL CO.) / 1/8" ANNEALED GLASS/ BY CARDINAL	GLASS	CARDINAL
38		1 19/32" SIDELIGHT STILE	Ⓐ FOAM CELLULAR PVC Fy MIN. = 6000 PSI	NAN YA
39		S1NP LITE FRAME	Ⓐ RIGID PVC Fy MIN. = 6000 PSI	NAN YA
40	Ⓢ	SHOOT BOLT HEAD STRIKE PLATE	1010 C.R.S.	ENDURA
41	Ⓢ	SHOOT BOLT SILL STRIKE PLATE	1010 C.R.S.	ENDURA
42		#8 X 1 1/2" PFH WOOD SCREW	STEEL	----

PROJECT NO. 414-0416	2/23/15	RJA	DATE
REVISE PER MD COMMENTS	07/07/14	RJA	BY
REVISE TO 5TH EDITION FBC	04/25/12	TJH	DATE
UPDATE TO 2010 FBC			
DESCRIPTION			
REV			

**NAN YA PLASTICS**  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

**SERIES "64P" IMPACT 8' OPAQUE OS DOUBLE DOOR W/SIDELITES**  
BILL OF MATERIALS

DATE: 1/09/09

DRAWING NO: NAN0020

SHEET: 10 OF 10

DRAWN BY: BB

SCALE: N.T.S.

REV: E

PTC PRODUCT DESIGN GROUP, LLC  
LONGWOOD, FLORIDA 32752  
FBPE C.A. NO. 25935

**PTC**

Phone: 321.690.1788  
Fax: 321.690.1789  
Email: info@ptc-corp.com

Robert J. Amoroso, P.E.  
FL P.E. No. 49752

ROBERT JAMES AMOROSO

LICENSE

No 49752

STATE OF FLORIDA

PROFESSIONAL ENGINEER

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 14-0714-0  
Expiration Date 7/22/19  
156-116-116  
Product Control